



MATERIAL SAFETY DATA SHEET

P.O. BOX 1603
EUNICE, LA 70535
866-457-0064 or 337-457-0064

DEL A-60

SECTION I - IDENTIFICATION

Product Name: Flowline A60L RD PHPA
Supplier: Delta Drilling Products
154 Eastpark Drive
Eunice LA 70535
Current Revision Date: 1/1/05
Last Revision Date: 1/1/04
Emergency Telephone Number: 1-866-457-0064

SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family: Anionic water-soluble polymer.

SECTION III – HAZARDOUS IDENTIFICATION

Aqueous solutions or powders that become wet render surfaces extremely slippery.

SECTION IV - FIRST AID MEASURES

Inhalation: Move to Fresh air

Skin Contact: Wash with water and soap as a precaution. In case of skin irritation, consult a physician.

Eye Contact: Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician.

Ingestion: No hazards which require special first aid measures.

SECTION V - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, water spray, foam, dry powder, carbon dioxide (CO₂)

Special Fire Fighting Precautions: Aqueous solutions or powders that become wet render surface extremely slippery

Protective Equipment for Firefighters: No special protective equipment required.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required.

Environmental Precautions: Avoid contaminating water.

Methods for Cleaning Up: Do not flush with water. Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

SECTION VII - HANDLING & STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of the workday.

Storage: Keep in a dry, cool place (0 - 36°C).

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal Protection Equipment

- Respiratory Protection: Dust safety marks are recommended where concentration of total dust is more than 10 mg/m³.
- Hand Protection: Rubber gloves.
- Eye Protection: Safety glasses with side shields. Do not wear contact lenses.
- Skin and Body Protection: No special protective clothing required.

Hygiene Measures: Wash hands before breaks and immediately after handling the product. handle in accordance with good industrial hygiene and safety practice.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granular Powder
Color:	White
Odor:	None
pH:	4-9 @ 5 g/l
Melting Point (°C):	Not Applicable
Flash Point (°C):	Not Applicable
Autoignition Point (°C):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Bulk Density:	See Technical Bulletin
Water Solubility:	See Technical Bulletin
Viscosity (mPa s):	See Technical Bulletin

SECTION X - STABILITY AND REACTIVITY

Stability:	Product is stable, no hazardous polymerization will occur.
Materials to Avoid:	Oxidizing agents may cause exothermic reactions.
Hazardous Decomposition Products:	Thermal decomposition may produce: carbon oxides and nitrogen oxides (NO _x).

SECTION XI - TOXICOLOGICAL INFORMATION

Acute toxicity:

- Oral: LD50-oral/rat >5000 mg/kg
- Dermal: The results of testing on rabbits showed this material to be non-toxic even at high dose levels
- Inhalation: The product is not expected to be toxic by inhalation.

Irritation:

- Skin: The results of testing on rabbits showed this material to be non-irritating to the skin.
- Eyes: Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctive effects similar to those which all granular materials have on conjunctivas.

Sensitization: The results of testing on guinea pigs showed this material to be non-sensitizing.

Chronic Toxicity: A two year feeding study on rats did not reveal adverse health effects. A one year feeding study on dogs did not reveal adverse health effects.

SECTION XII - ECOLOGICAL INFORMATION

- Fish: LC50/fathead minnows/96 hours > 1000 mg/l
 - Algae: EC50/72h/Selenastrum capricornutum/96 hours > 500 mg/l
- Bioaccumulation: The product is not expected to bioaccumulate.
 Persistence/Degradability: Not readily biodegradable.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste from residues/unused products: In accordance with federal, state and local regulations.

Contaminated Packaging: Rinse empty containers with water and use the rinse water to prepare the working solution. Can be land filled or incinerated, when in compliance with local regulations.

SECTION XIV - TRANSPORT INFORMATION
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Not regulated by the Department of Transportation.

SECTION XV - REGULATORY INFORMATION
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RCRA status: Not a hazardous waste.
 Hazardous Waste Number: Not applicable.
 Reportable Quantity (40 CFR 302): Not Applicable
 Threshold Planning Quantity (40 CFR 355): Not Applicable

HMIS & NFPA Ratings:	HMIS	NFPA
Health:	1	1
Flammability:	0	0
Reactivity:	0	0

California Proposition 65 Information:

The following statement is made in order to comply with the CA Sa Drinking Water and Toxic Enforcement Act of 1986: This product contains a chemical known to the State of California to cause cancer: residual acrylamide.

SECTION XVI - OTHER INFORMATION
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Person to Contact: Blair Fontenot

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